Use Exclusion

PRACTICE INTRODUCTION

USDA, Natural Resources Conservation Service - practice code 472



DEFINITION

Use Exclusion is excluding animals, people or vehicles from an area.

PRACTICE INFORMATION

The purpose of Use Exclusion is to protect, maintain, or improve the quantity and quality of the natural resources in an area. The purpose also includes aesthetic resources as well as human health and safety.

The practice is used in a conservation plan in areas where vegetation establishment or maintenance is a concern. Protecting the

vegetation is often essential to conserving the other natural resources.

The barriers constructed for Use Exclusion must be adequate to prevent intrusion of the target animals, vehicles or people. The barriers are usually fences, but may also be natural and artificial structures such as logs, boulders, earth fill, gates, signs, etc.

Additional information including design criteria and specifications are in the local NRCS Field Office Technical Guide.

The following pages list the conservation effects expected to occur when this practice is applied. These effects are subjective and somewhat dependent on variables such as climate, terrain, and soil. Users are cautioned that these effects are estimates that may or may not apply to a specific site.

CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

NOTE: recorded in Microsoft word 6.0 - use tabs to change cells/fields

STATE Iowa FIELD OFFICE NOTES:	11/4/
RESOURCE: SOIL RESOURCE CONCERN: EROSION RESOURCE INDICATORS SHEET AND RILL WIND SIGNIFICANT FEDUCATION STREAMBANK IRRIGATION INDUCED SOIL MASS MOVEMENT ROADBANK/CONSTRUCTION SOIL TILTH SOIL COMPACTION SOIL TILTH SOIL COMPACTION SOIL CONTAMINATION • SALTS Help Message: Click on form field for choice lists. Refer to Microsoft Word Users Guide (Creating a form of the properties) of the properties of the proper	/15/97
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SOIL CONTAMINATION • SALTS N/A	
• ORGANICS N/A	
• FERTILIZERS N/A	
• PESTICIDES N/A	
• OTHER	
DEPOSITION/DAMAGE	
ONSITE significant reduction/onsite deposition damage	
OFFSITE significant decrease/offsite deposition damage	
DEPOSITION/SAFETY	
ONSITE significantly improve onsite safety/deposition	
OFFSITE sign. improve offsite safety hazard/deposition	
OTHER	
RESOURCE: WATER	
RESOURCE CONCERN: WATER QUANTITY	
SEEPS situational regarding seep development	
RUNOFF/FLOODING situational concerning runoff and floods	
EXCESS SUBSURFACE WATER situational concerning excess subsurface H2O	
INADEQUATE OUTLETS significant improvement in H20 outlet concern	
WATER MGT. IRRIGATION	
• SURFACE N/A	
• SPRINKLER N/A	
WATER MGT. NON-IRRIGATED significant improvement in moisture use	
RESTRICTED FLOW CAPACITY (H20 convey.)	
ONSITE significant improvement in onsite drainage	
OFFSITE significant improvement in offsite drainage	
RESTRICTED STORAGE sign. reduction in sedimentation of H20 storage	

RESOURCE: WATER		
RESOURCE INDICATORS	PHYSICAL EFFECTS	
GROUNDWATER CONTAMINANTS	THISICAL EFFECTS	
PESTICIDES	N/A	
NUTRIENTS AND ORGANICS	N/A	
• SALINITY	N/A	
HEAVY METALS	N/A	
• PATHOGENS	N/A	
OTHER	17/1	
SURFACE WATER CONTAMINANTS		
• PESTICIDES	N/A	
NUTRIENTS AND ORGANICS	situational concerning SWater contam./nut.&organic	
SUSPENDED SEDIMENTS	sign. reduction in SWater contam./susp. sedi.	
LOW DISSOLVED OXYGEN	N/A	
SALINITY	N/A	
HEAVY METALS	N/A	
WATER TEMPERATURE	sign. reduction in SWater contam./H20 temp	
PATHOGENS	sign. decrease in SWater contam./pathegens	
AQUATIC HABITAT SUITABILITY	significant improvement in Aqua. Hab. Suit.	
OTHER		
RESOURCE: AIR		
RESOURCE CONCERN: AIR QUALI	TY	
AIRBORNE SEDIMENT AND SMOKE		
PARTICLES		
ONSITE SAFETY	sign. decrease in airborn sed.&smoke part./safety	
OFFSITE SAFETY	sign. decrease in airborn sed.&smoke part./safety	
ONSITE STRUCT. PROBLEMS	sign. decrease in struc. problems/dust and smoke	
OFFSITE STRUCT. PROBLEMS	sign. decrease in struc. problems/dust and smoke	
ONSITE HEALTH	sign. decrease in onsite health prob./dust&smoke	
OFFSITE HEALTH	sign. improvement in offlsite health	
AIRBORNE SEDIMENT CAUSING	sign. decrease in airborn sediment/convey. prob.	
CONVEYANCE PROBLEMS		
AIRBORNE CHEMICAL DRIFT	N/A	
AIRBORNE ODORS	N/A	
FUNGI, MOLDS, AND POLLEN	N/A	
OTHER PESOURCE CONCERN. AIR CONDI	TION	
RESOURCE CONCERN: AIR CONDITION		
AIR TEMPERATURE	sign. improvement in air condition/ temperature	
AIR MOVEMENT (windbreak effect)	N/A	
HUMIDITY	N/A	
OTHER		

RESOURCE: PLANT			
RESOURCE CONCERN: SUITABILITY			
RESOURCE INDICATORS	PHYSICAL EFFECTS		
SITE ADAPTATION	N/A		
PLANT USE	N/A		
OTHER			
RESOURCE CONCERN: CONDITION			
PRODUCTIVITY	sign. improvement in plant cond./ productivity		
HEALTH, VIGOR, SURVIVAL	sign. improvement in plant health,vigor, survival		
OTHER			
RESOURCE CONCERN: MANAGEME	ENT		
ESTAB., GROWTH, HARVEST	sign. improvement in plant estab.,growth,harvest		
NUTRIENT MANAGEMENT	N/A		
PESTS	N/A		
THREAT/ENDANGERED PLANTS	N/A		
OTHER			
RESOURCE: ANIMAL			
RESOURCE CONCERN: HABITAT			
FOOD	sign. improvement in animal habitat/food supply		
COVER/SHELTER	sign. improvement in animal habitat/cover,shelter		
WATER (QUANTITY & QUALITY)	N/A		
OTHER			
RESOURCE CONCERN: MANAGEME	ENT		
POPULATION BALANCE	sign. improvement in animal mgt./pop. balance		
THREAT/ENDANGERED ANIMALS	N/A		
HEALTH	sign. improvement in animal mgt./ health		
OTHER			
RESOURCE: HUMAN			
RESOURCE CONCERNS: ECONOMIC CONSIDERATIONS			
PLAN / COST EFFECTIVENESS	moderately cost effective		
CLIENT FINANCIAL CONDITION	N/A		
MARKETS FOR PRODUCTS	N/A		
AVAILABLE LABOR	N/A		
AVAILABLE EQUIPMENT	N/A		

RESOURCE: HUMAN		
RESOURCE CONCERN: SOCIAL CONSIDERATIONS		
RESOURCE INDICATORS	PHYSICAL EFFECTS	
PUBLIC HEALTH AND SAFETY	sign. improvement in public health & safety	
PRIVATE/PUBLIC VALUES	sign. improvement in private/public values	
CLIENT CHARACTERISTICS	N/A	
RISK TOLERANCE	N/A	
TENURE	N/A	
OTHER		
RESOURCE CONCERN: CULTURAL CONSIDERATIONS		
ABSENCE/PRESENCE OF CULTURAL RESOURCES	situational regarding cultural resources	
SIGNIFICANCE OF CULTURAL RESOURCES	situational regarding cultural resources	
MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS	situational regarding cultural resources	
OTHER		